

Translation

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PATENT COOPERATION TREATY

PCT/JP2003/007965



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference IPY-140	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/007965	International filing date (day/month/year) 24 June 2003 (24.06.2003)	Priority date (day/month/year) 24 June 2002 (24.06.2002)
International Patent Classification (IPC) or national classification and IPC G02B 5/02, 5/04, G02F 1/1335, F21V 8/00		
Applicant MITSUBISHI RAYON CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet. <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of _____ sheets.
3. This report contains indications relating to the following items: I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input checked="" type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 24 June 2003 (24.06.2003)	Date of completion of this report 25 February 2004 (25.02.2004)
Name and mailing address of the IPEA/JP Facsimile No.	Authorized officer Telephone No.

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International application No.

PCT/JP2003/007965

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-40	YES
	Claims		NO
Inventive step (IS)	Claims	4, 6, 8-10, 13, 16, 22, 28, 30, 32-34, 37, 40	YES
	Claims	1-3, 5, 7, 11, 12, 14, 15, 17-21, 23-27, 29, 31, 35, 36, 38, 39	NO
Industrial applicability (IA)	Claims	1-40	YES
	Claims		NO

2. Citations and explanations

Document 1: JP 7-230002 A (Mitsubishi Rayon Co., Ltd.), 29 August 1995, entire text (Family: none)

Document 2: JP 2001-1224909 A (Yukadenshi Co., Ltd., Mitsubishi Chemical Corporation), 11 May 2001, entire text (Family: none)

The inventions set forth in claims 1 to 3, 5, 7, 11, 12, 14, 15, 17-21, 23-27, 29, 31, 35, 36, 38 and 39 do not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

Document 1 sets forth a brightness-improving sheet provided with a prism surface having the same shape as the invention of this application (although the surface on which the prism surface is disposed in relation to the conductor is reversed), and a light source device using said sheet.

Document 2 sets forth a light-controlling sheet having an anisotropic scattering function and having a prism array constituted by two prism surfaces on the incident surface, and a light source device using said sheet.

Both documents 1 and 2 relate to a light-controlling sheet for improving brightness, and light source devices and display devices using said sheet, therefore it would

be easy for a person skilled in the art to conceive of employing the shape of the prism sheet (prism array) set forth in document 1 to the light-controlling sheet set forth in document 2. Moreover, it goes without saying that a sheet having the same features would have the same properties and effect.

The inventions set forth in claims 4, 6, 8, 10-13, 16, 22, 28, 30, 32-34, 37 and 40 are neither disclosed nor suggested in any of the documents cited in the international search report.

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VI. Certain documents cited

1. Certain published documents (Rule 70.10)

<u>Application No. Patent No.</u>	<u>Publication date (day/month/year)</u>	<u>Filing date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
JP 2003-66206 A	05 March 2003 (05.03.2003)	27 August 2001 (27.08.2001)	
[E, X]			

2. Non-written disclosures (Rule 70.9)

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>